



Attorney's Docket No.: 42390.P2003DC

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DW

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Peleg, et al.

Examiner: K. Kim

Application No. 09/657,448

Art Unit: 2183

Filed: 09/08/2000

**FIRST CLASS CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to Box Issue Fee, Commissioner for Patents, Washington, D.C. 20231-0001 on 10/30/2002

TJ Delgado

For: MICROPROCESSOR HAVING  
NOVEL OPERATIONS

Commissioner For Patents  
Washington, D.C. 20231-0001

SUBMISSION OF FORMAL DRAWINGS

Sir:

Applicants respectfully submit fourteen (14) sheets of drawings as follows:

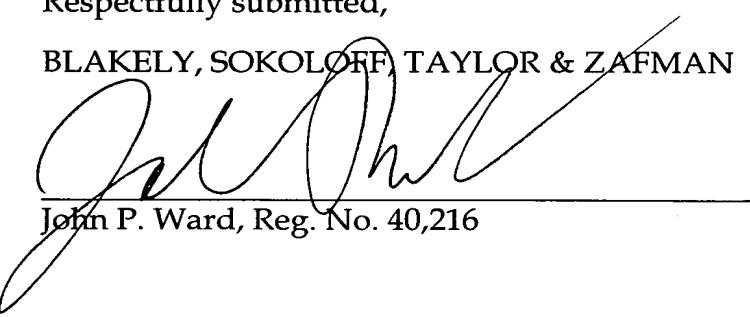
Figs. 1, 2, 3, 4a, 4b, 4c, 4d, 5a, 5b, 5c, 5d, 6a, 6b, 7, 8a, 8b, 9, and 10.

If the Examiner believes a telephone conference would expedite or assist in the allowance of the present application, the Examiner is invited to call John Ward at (408) 720-8300.

Authorization is hereby given to charge our Deposit Account No. 02-2666 for any charges that may be due.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

  
John P. Ward, Reg. No. 40,216

Date: 10/30/2002

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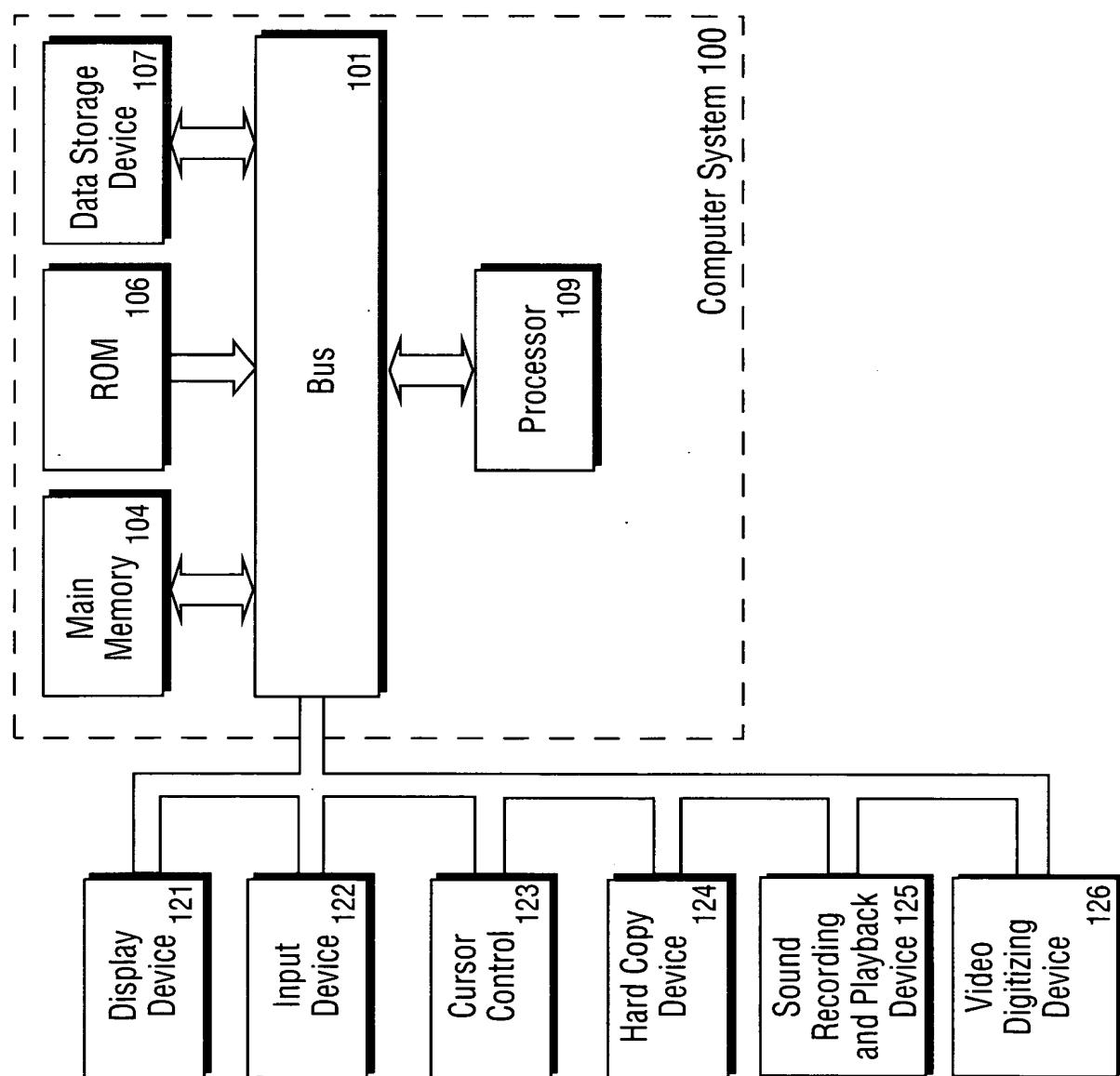
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FIG. 1



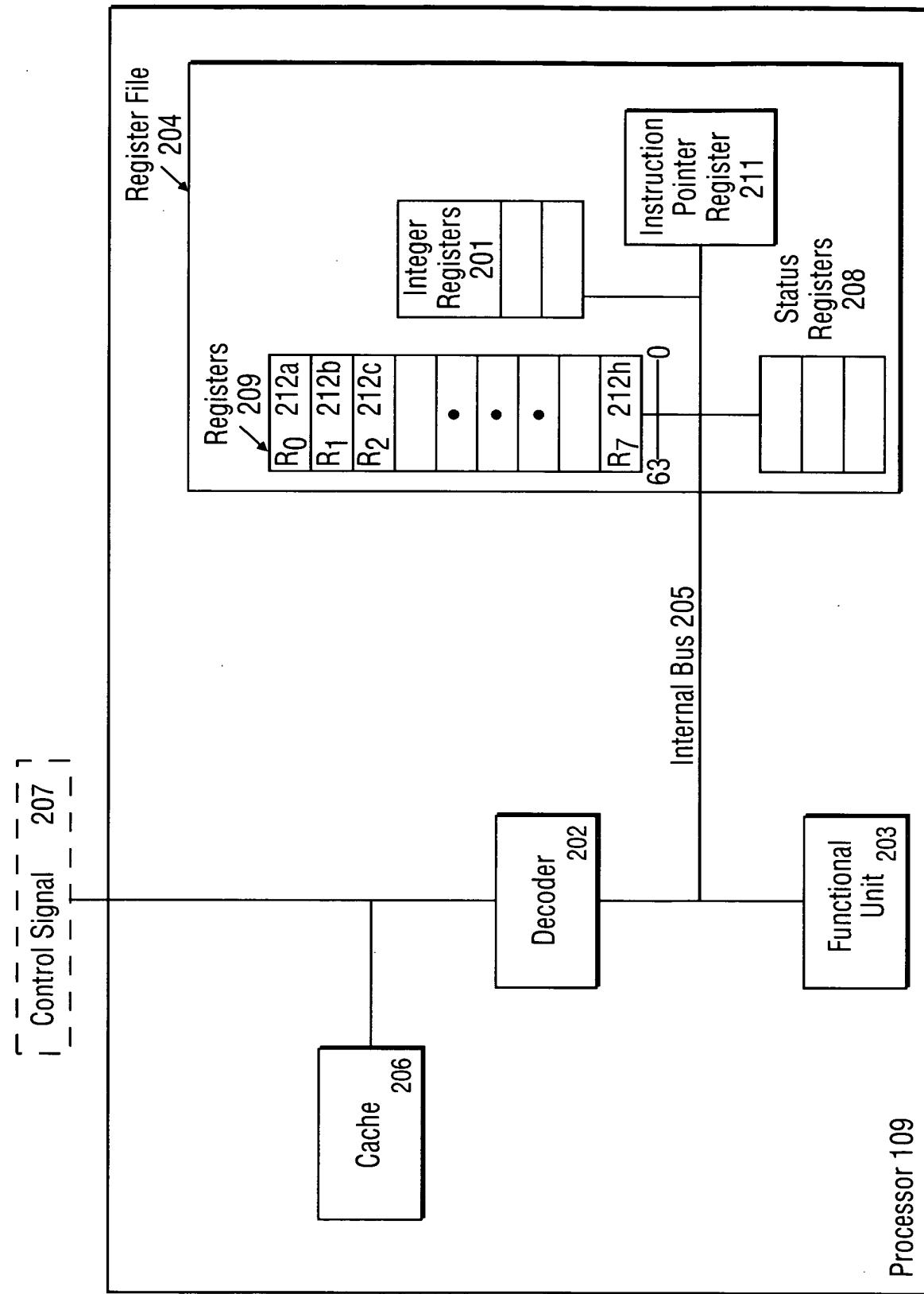


FIG. 2

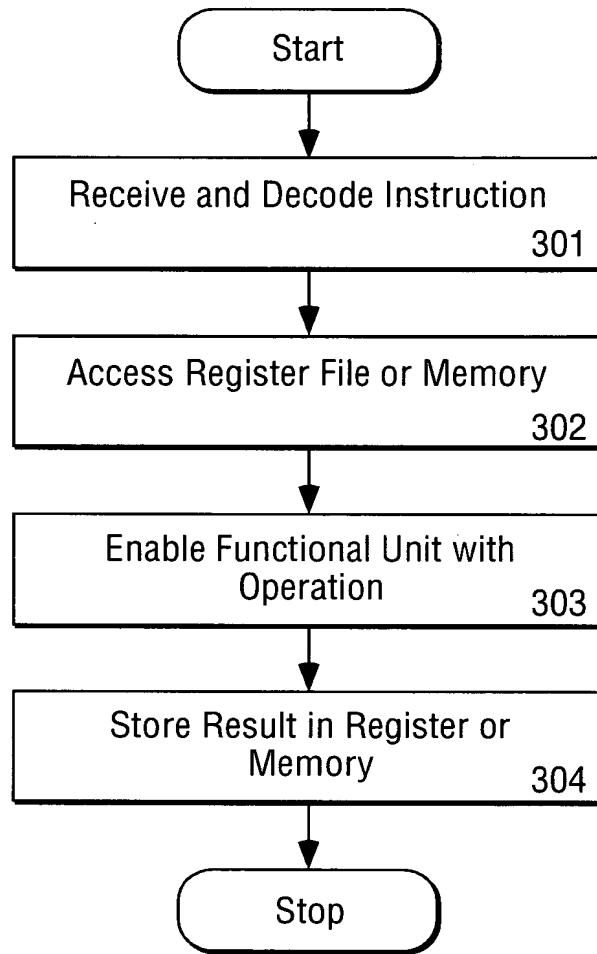


FIG. 3



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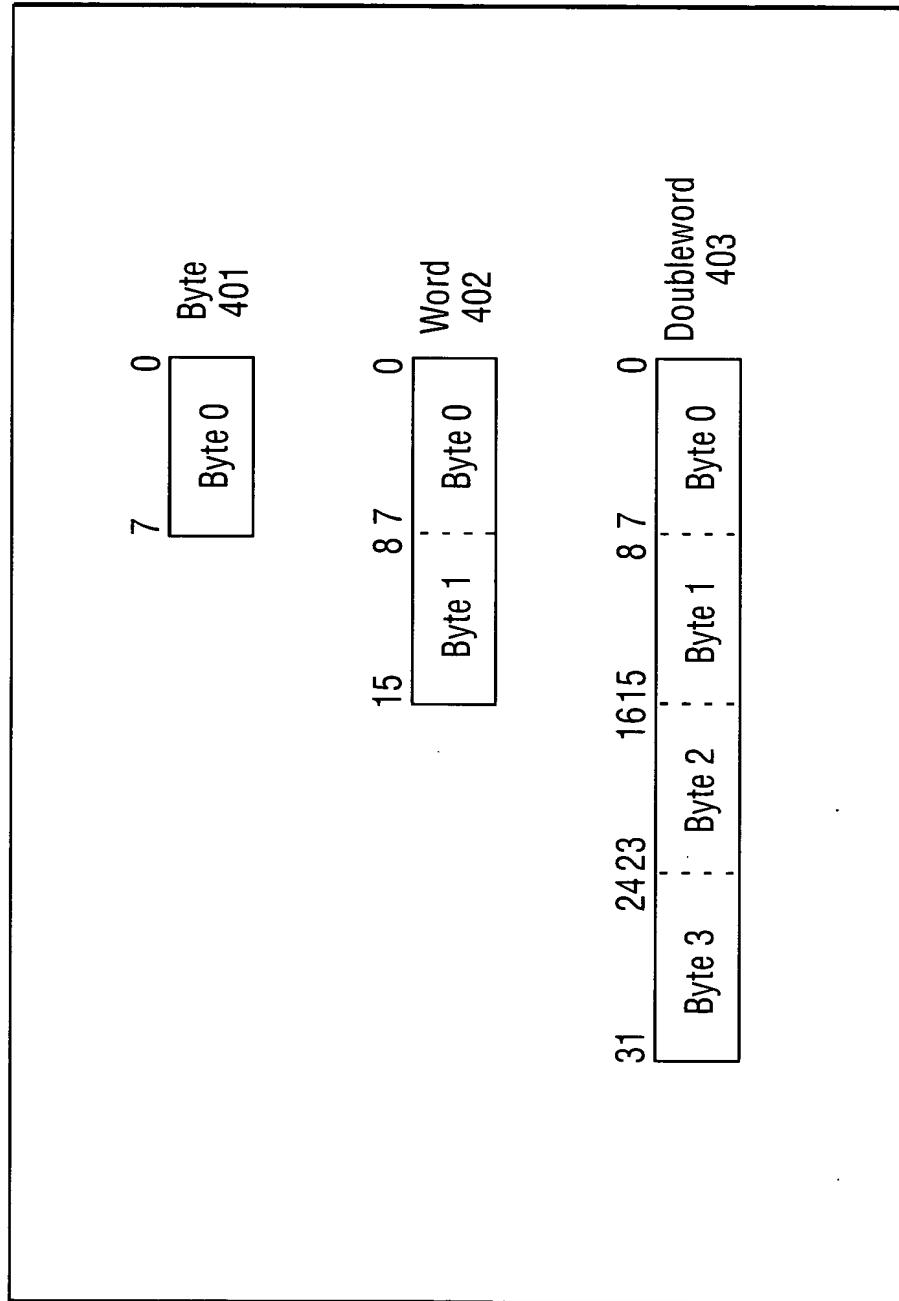


FIG. 4A

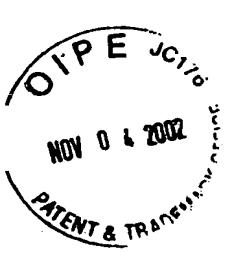


FIG. 4B

Unsigned Byte In-register Representation 410	
63	8 7 0
000	.....000 bbbb bbbb
sss	.....sss ssss bbbb

Signed Byte In-register Representation 411

Unsigned Word In-register Representation 412	
63	16 15 0
000	.....000 wwwwww wwwww
sss	.....sss wwwwww wwwww
Signed Word In-register Representation 413	

FIG. 4C



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**FIG. 4D**

63	32 31	0
000.....000	ddd dddd dddd dddd dddd dddd	ddd dddd dddd dddd dddd dddd
Unsigned Doubleword In-register Representation 414		
63	32 31	0
sss.....sss	sss ssss ssss ssss ssss ssss	sss ssss ssss ssss ssss ssss
Signed Doubleword In-register Representation 415		

FIG. 5A

Packed Byte 501	<table border="1"><tr><td>63</td><td>56</td><td>55</td><td>48</td><td>47</td><td>40</td><td>39</td><td>32</td><td>31</td><td>24</td><td>23</td><td>16</td><td>15</td><td>8</td><td>7</td><td>0</td></tr><tr><td>Byte 7</td><td>Byte 6</td><td>Byte 5</td><td>Byte 4</td><td>Byte 3</td><td>Byte 2</td><td>Byte 1</td><td>Byte 0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>	63	56	55	48	47	40	39	32	31	24	23	16	15	8	7	0	Byte 7	Byte 6	Byte 5	Byte 4	Byte 3	Byte 2	Byte 1	Byte 0								
63	56	55	48	47	40	39	32	31	24	23	16	15	8	7	0																		
Byte 7	Byte 6	Byte 5	Byte 4	Byte 3	Byte 2	Byte 1	Byte 0																										
Packed Word 502	<table border="1"><tr><td>63</td><td>48</td><td>47</td><td>32</td><td>31</td><td>16</td><td>15</td><td>0</td></tr><tr><td>Word 3</td><td>Word 2</td><td>Word 1</td><td>Word 0</td><td></td><td></td><td></td><td></td></tr></table>	63	48	47	32	31	16	15	0	Word 3	Word 2	Word 1	Word 0																				
63	48	47	32	31	16	15	0																										
Word 3	Word 2	Word 1	Word 0																														
Packed Doubleword 503	<table border="1"><tr><td>63</td><td>32</td><td>31</td><td>Doubleword 0</td><td>0</td></tr><tr><td>Doubleword 1</td><td>Doubleword 0</td><td></td><td></td><td></td></tr></table>	63	32	31	Doubleword 0	0	Doubleword 1	Doubleword 0																									
63	32	31	Doubleword 0	0																													
Doubleword 1	Doubleword 0																																



63	55	54	47	46	39	38	31	30	30	22	15	14	7	6	0
bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	bbbb bbbb	0
Unsigned Packed Byte In-register Representation 510															
63	55	54	47	46	39	38	31	30	30	22	15	14	7	6	0
sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	sbbb bbbb	0

Signed Packed Byte In-register Representation 511

FIG. 5B

63	47	46	31	30	15	14	0
www www www www	www www www www	www www www www	www www www www	www www www www	www www www www	www www www www	www www www www
Unsigned Packed Word In-register Representation 512							
63	47	46	31	30	15	14	0
swww www www www	swww www www www	swww www www www	swww www www www	swww www www www	swww www www www	swww www www www	swww www www www

Signed Packed Word In-register Representation 513

FIG. 5C

63	31	30	0
dddd dddd dddd dddd	dddd dddd dddd	dddd dddd dddd	dddd dddd dddd dddd
Unsigned Packed Doubleword In-register Representation 514			
63	31	30	0
sddd dddd dddd dddd	ddd dddd dddd dddd	ddd dddd dddd dddd	ddd dddd dddd dddd dddd
Signed Packed Doubleword In-register Representation 515			

FIG. 5D



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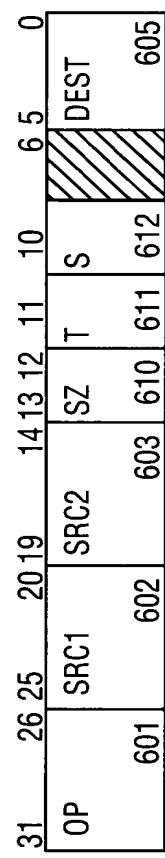


FIG. 6A

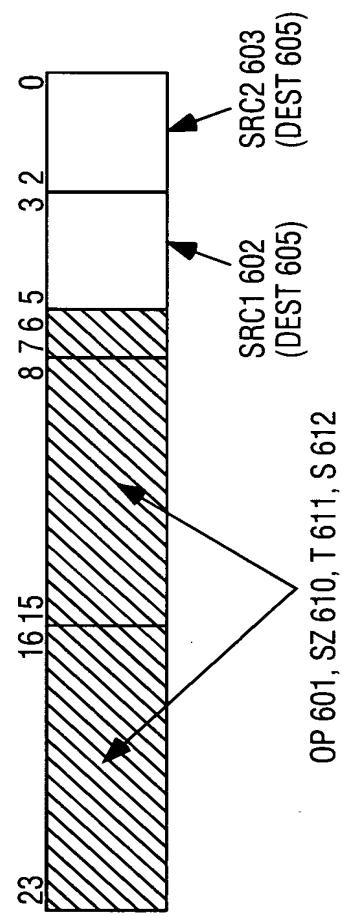


FIG. 6B

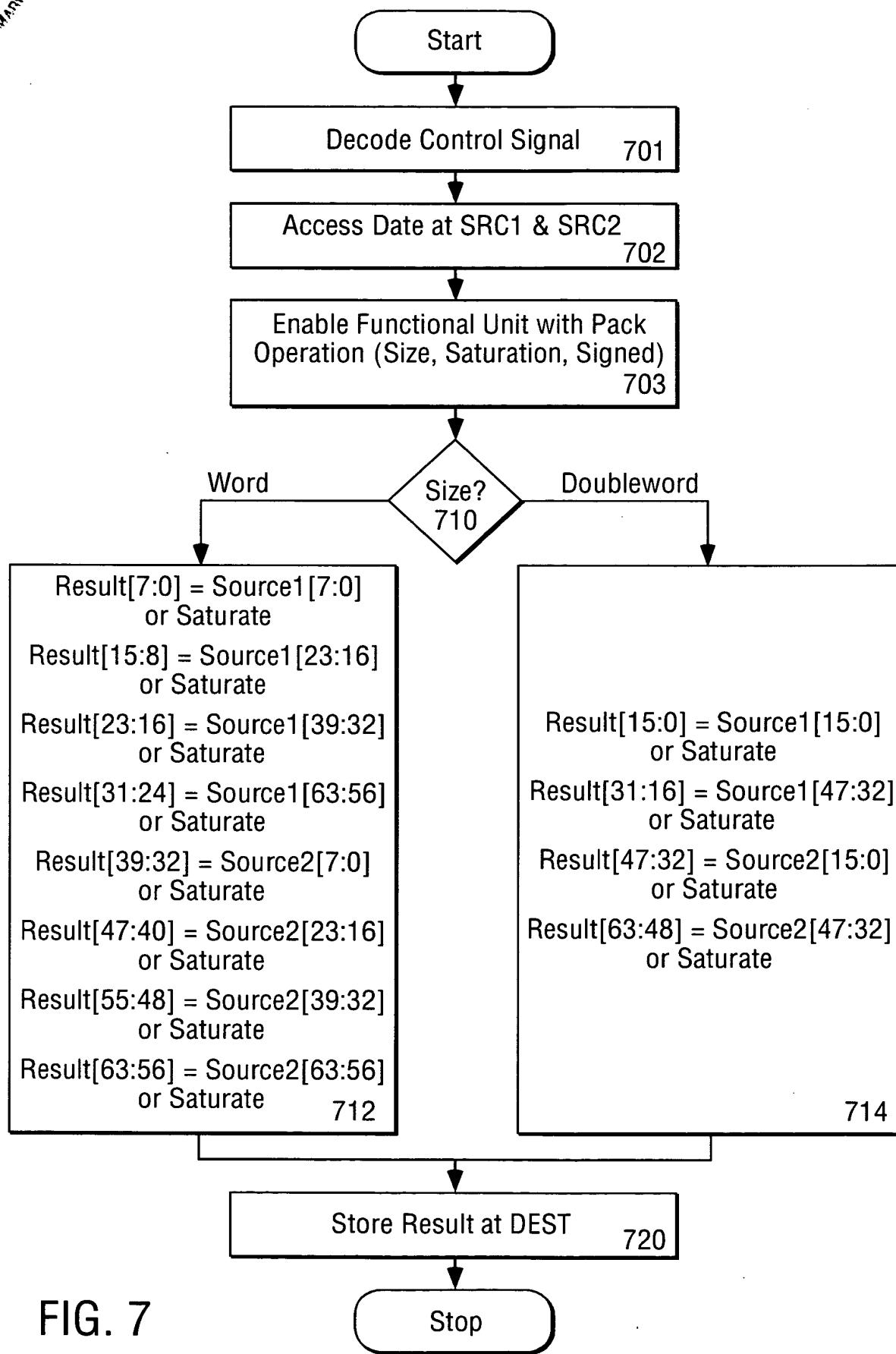
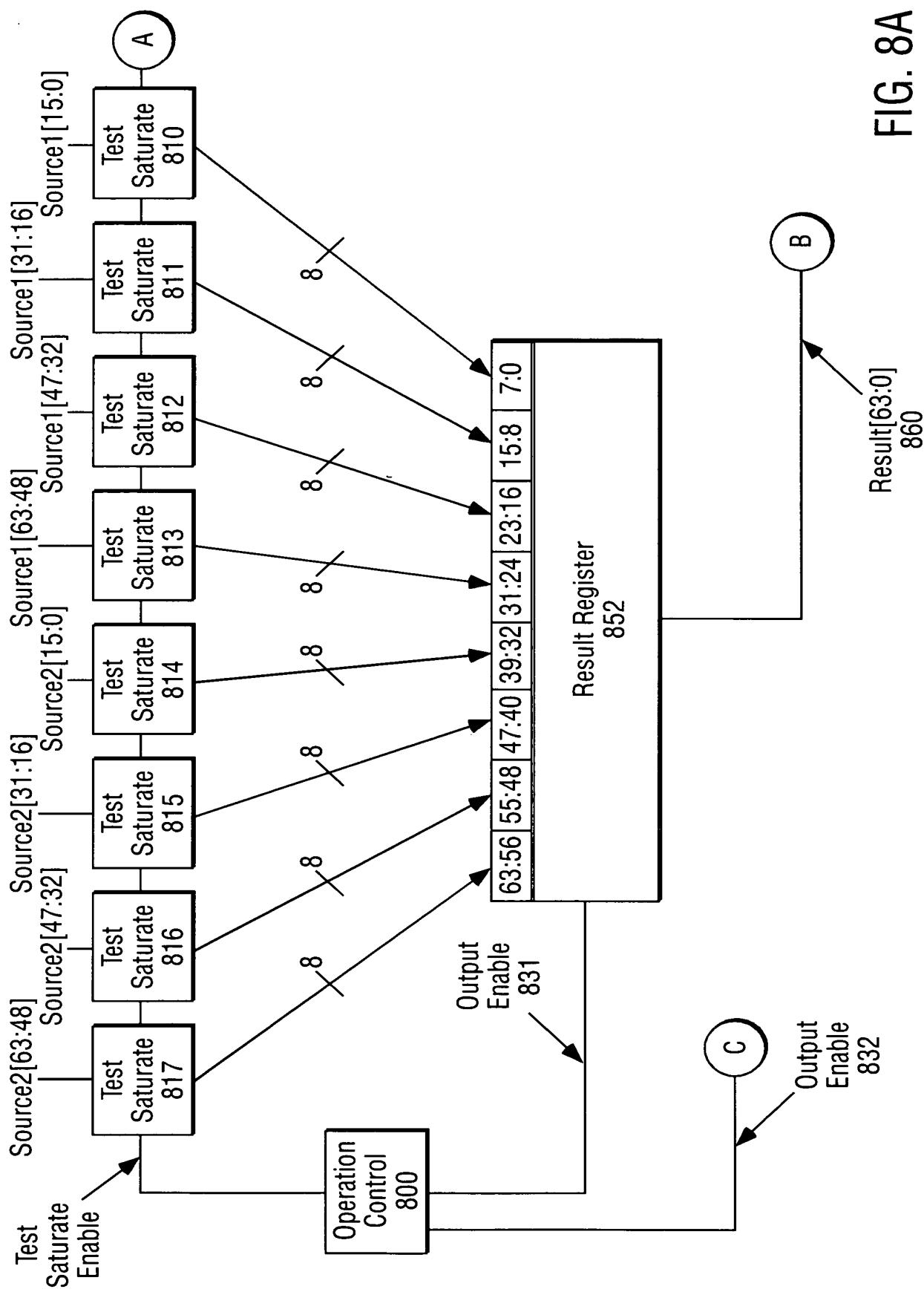


FIG. 7



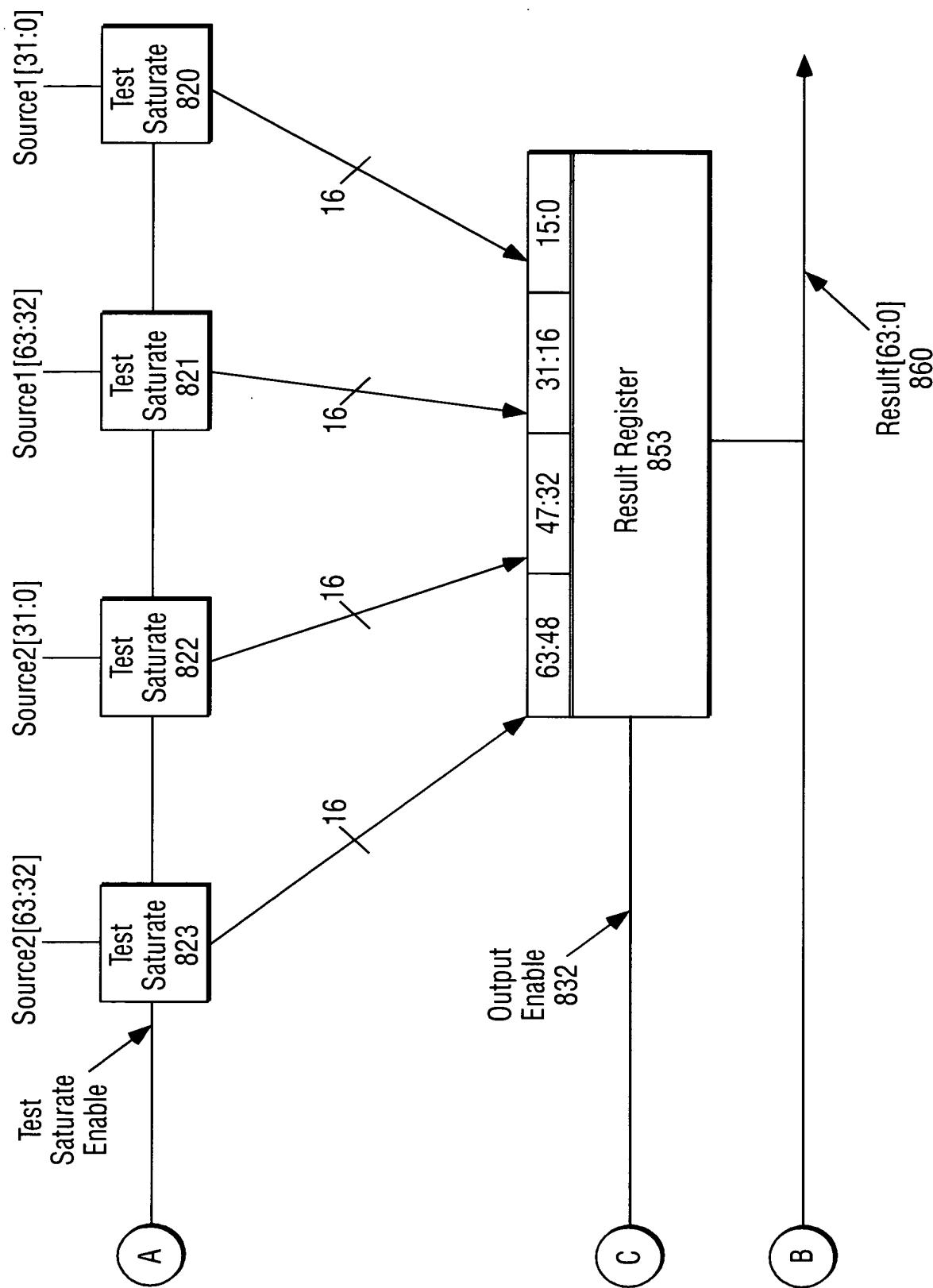


FIG. 8B

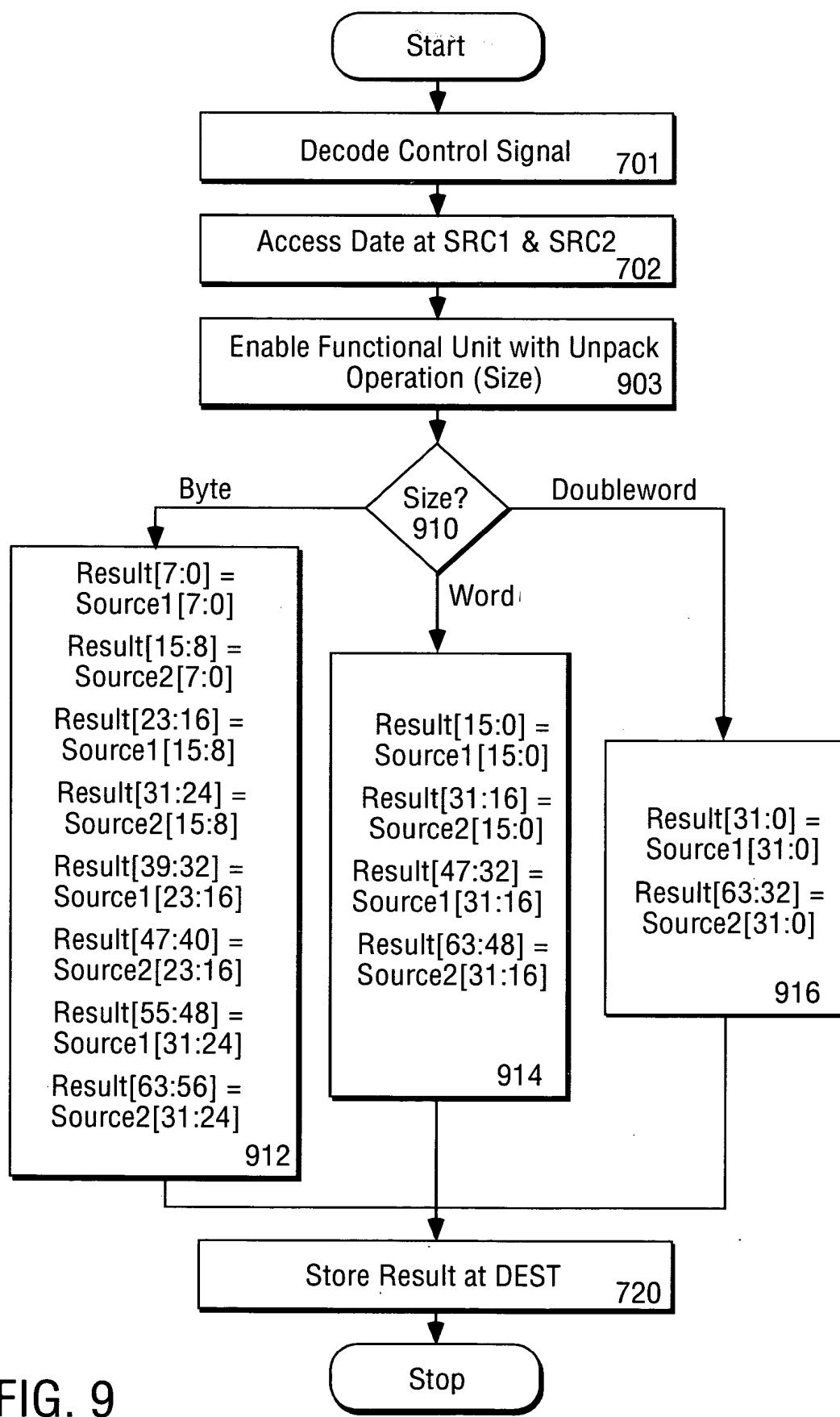
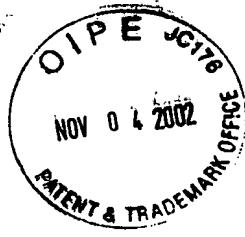


FIG. 9

FIG. 10

